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STILL SCREEN SEARCH CONTROL DEVICE AND METHOD OF VIDEO CASSETTE
RECORDER (VCR)

[Bidio kaset rekoder (vcr)ui jungji hwamyeon tamsaek jeio jangchi mip bangbeob]

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Specification

Title of the invention

Still Screen Search Control Device and Method of Video Cassette Recorder (VCR)

Brief description of the figures

Figure 1 is a constitutional block diagram showing the still screen search control device of a VCR of the present invention.

Figure 2 is a flow chart for explaining the operation of the still screen search control device of a VCR of the present invention.

Figure 3 shows additional keys for realizing the present invention in a remote controller.

Figure 4 is a constitutional diagram showing a data format for counting a video frame.

"Since this content is an important disclosed item, the content of this text has not been described."

Claims

1. A still screen search control device of a VCR, characterized by the fact that, in a device that displays video signals reproduced from a videotape of video equipment on an image-receiving tube, counts the video signals displayed at a frame unit and searches for a desired still screen of a viewer, it includes an instruction issue part (100) that provides a search control instruction for the above-mentioned instruction and a frame sequence data for a desired search video; a memory (102) that stores the sequence data of the video frame for the still screen provided from the above-mentioned instruction issue part (100); a frame detection part (104) that detects the video frames reproduced from the videotape; a counter (106) that counts the video frame detected from the above-mentioned frame

detection part (104); a system control part (108) that outputs a motor driving control signal and a display control signal based on the frame sequence data stored in the above-mentioned memory (102) and the data counted by the above-mentioned counter (106); and a motor control part (110) that controls the advance operation of the videotape reproduced based on the motor driving control signal provided from the above-mentioned system control part (108).

2. The still screen search control device of a VCR of Claim 1, characterized by the fact that an OSD processing part (22) for displaying the sequence data of a prescribed video frame reproduced and counted from the videotape by an OSD character based on the display control signal provided from the above-mentioned system control part (108).

3. A still screen search control method of a video cassette recorder (VCR), characterized by the fact that in a device that displays video signals reproduced from a videotape of video equipment on an image-receiving tube, counts the video signals displayed at a frame unit and searches for a desired still screen of a viewer, it consists of a step (201) that reads whether there is a search control instruction for viewing a still screen; steps (202, 203) that carry out an operation according to the above-mentioned issued control instruction [sic], if the search control instruction is not read, and a prescribed frame sequence data input for the desired still screen within a prescribed time, if the above-mentioned search control instruction is read; steps (204, 205) that store the above-mentioned input prescribed frame sequence data and compare the stored frame sequence data with the sequence data of the video frame currently displayed; a step (206) that gives a control signal for moving the video frame to the video frame position corresponding to the above-mentioned stored video frame sequence data, if the above-mentioned stored frame sequence data and the sequence data of the video frame currently displayed are not matched; and a step (207) that stops the video frame being moved, if the sequence data of the above-mentioned stored image frame and the sequence data of the above-mentioned frame

counted are matched after the above-mentioned step, and reproduces and outputs the video frame from the image frame position stopped.

* Remarks: Disclosed according to the initial field content.

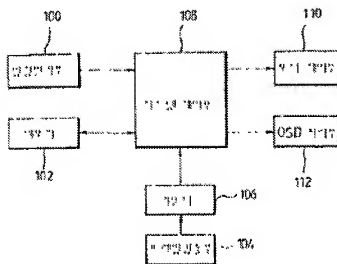


Figure 1

Key: 100 Instruction issue part
 102 Memory
 104 Frame detection part
 106 Counter
 108 System control part
 110 Motor control part
 112 OSD processing part

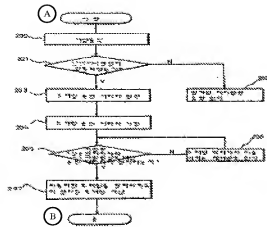


Figure 2

Key: A Start

B End

200 Playback operation

201 [illegible]

202 Issued control instruction [illegible]

203 Frame sequence data [illegible]

204 Frame sequence data storage

205 [illegible]

206 Frame mixing [illegible]

207 [illegible] frame stop, and [illegible] frame playback

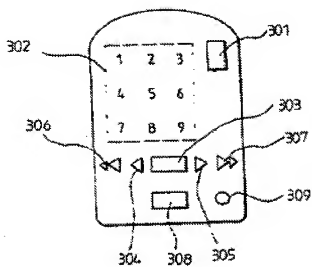


Figure 3

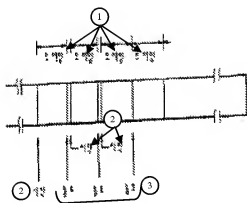


Figure 4

Key: 1 Frame
2 Start
3 End